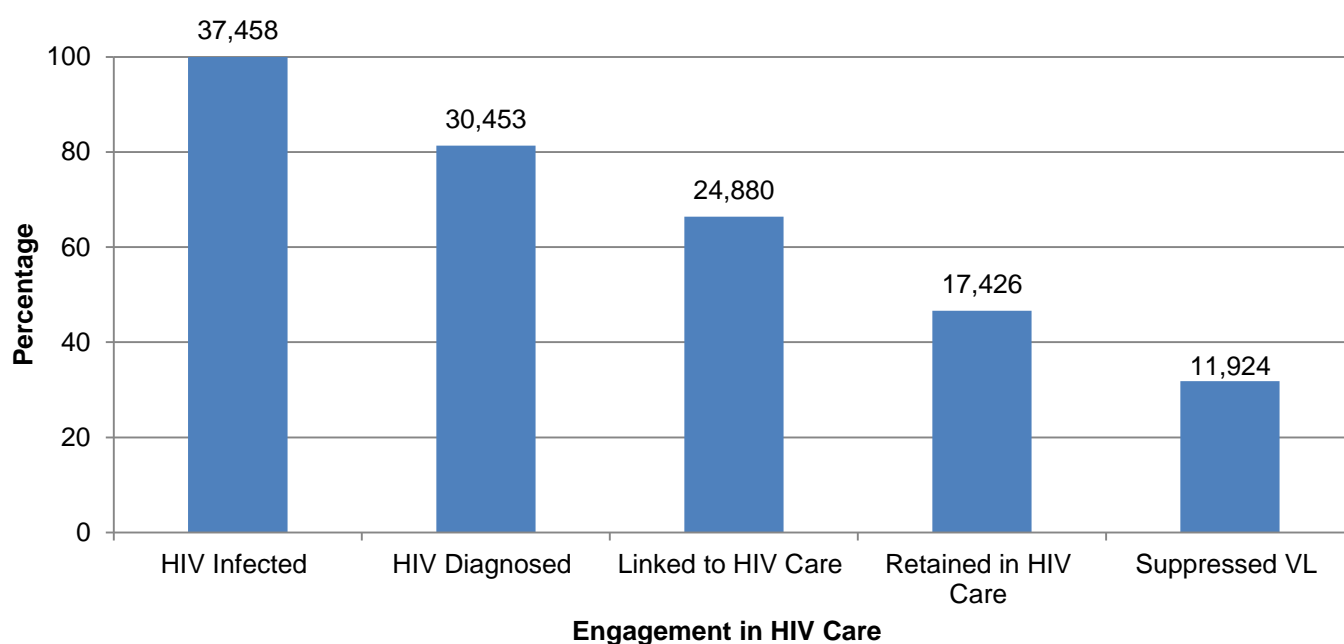


Maryland's Prevalence and Diagnosis Based Continuum of Care Cascades for 2014

Prevalence Based Estimated Adult/Adolescent 2014 HIV Continuum of Care, Reported through 12/31/2015

In their 2011 article in Clinical Infectious Diseases, Gardner et al.¹ utilize a continuum of care “cascade” to illustrate estimates of the number of persons living with HIV who belong to each of the stages of engagement in HIV care. The prevalence based Maryland Engagement in HIV Care Cascade (below) uses a CDC estimate of the number of undiagnosed persons in Maryland (18.7%)² to generate an estimated number of HIV infected persons in Maryland. It then uses local data to describe the number and percentage of persons living with HIV in Maryland who belong to each of the stages of engagement in HIV care.³

Prevalence Based Estimated Number and Percentage of HIV Infected Adults Engaged in Selected Stages of the Continuum of Care for 2014



Continuum of Care Stage	Number	Percentage
HIV Infected	37,458	100.0%
HIV Diagnosed	30,453	81.3%
Linked to HIV Care	24,880	66.4%
Retained in HIV Care	17,426	46.5%
Suppressed VL	11,924	31.8%

HIV Infected: HIV Diagnosed divided by one minus the estimate of undiagnosed HIV infections (18.7%) in Maryland.

HIV Diagnosed: Adult/adolescent total living HIV cases as of December 31st of the specified year.

Linked to HIV Care: HIV Diagnosed multiplied by the percent of adult/adolescent reported HIV diagnoses during the specified year with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Retained in HIV Care: HIV Diagnosed with a CD4 test result reported in the 12 months prior to December 31st of the specified year

Suppressed Viral Load: HIV Diagnosed with the most recent viral load reported in the 12 months prior to December 31st of the specified year of less than 200 copies per milliliter.

¹ Gardner et al, “The Spectrum of Engagement in HIV Care and its Relevance to Test-and-Treat Strategies for Prevention of HIV Infection.” Clin Infect Dis. 2011; 52 (6): 793-800.

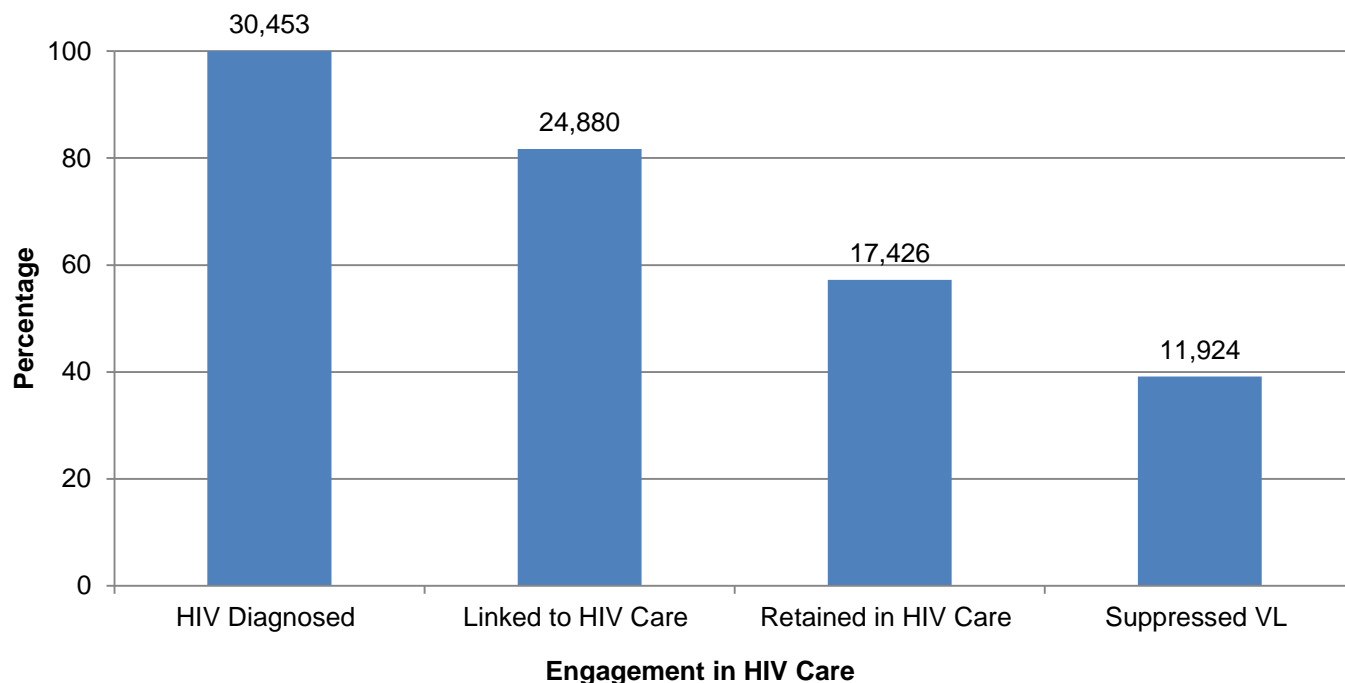
² Centers for Disease Control and Prevention, Morbidity and Mortality Weekly Report, June 2015.

³ Maryland HIV/AIDS Quarterly Update, Fourth Quarter 2015. Baltimore, MD: Center for HIV Surveillance, Epidemiology and Evaluation, Infectious Disease Epidemiology and Outbreak Response Bureau, Prevention and Health Promotion Administration, Maryland Department of Health and Mental Hygiene. January 2016.

Diagnosis Based Estimated Adult/Adolescent 2014 HIV Continuum of Care, Reported through 12/31/2015

In their 2011 article in Clinical Infectious Diseases, Gardner et al.¹ utilize a continuum of care “cascade” to illustrate national estimates of the number of persons living with HIV who belong to each of the stages of engagement in HIV care. The diagnosis based Maryland Engagement in HIV Care Cascade (below) uses local data to describe the number and percentage of persons diagnosed with HIV in Maryland who belong to each of the stages of engagement in HIV care.²

Diagnosis Based Estimated Number and Percentage of HIV Infected Adults Engaged in Selected Stages of the Continuum of Care for 2014



Continuum of Care Stage	Number	Percentage
HIV Diagnosed	30,453	100.0%
Linked to HIV Care	24,880	81.7%
Retained in HIV Care	17,426	57.2%
Suppressed VL	11,924	39.2%

HIV Diagnosed: Adult/adolescent total living HIV cases as of December 31st of the specified year.

Linked to HIV Care: HIV Diagnosed multiplied by the percent of adult/adolescent reported HIV diagnoses during the specified year with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Retained in HIV Care: HIV Diagnosed with a CD4 test result reported in the 12 months prior to December 31st of the specified year

Suppressed Viral Load: HIV Diagnosed with the most recent viral load reported in the 12 months prior to December 31st of the specified year of less than 200 copies per milliliter.

¹ Gardner et al, “The Spectrum of Engagement in HIV Care and its Relevance to Test-and-Treat Strategies for Prevention of HIV Infection.” Clin Infect Dis. 2011; 52 (6): 793-800.

² Maryland HIV/AIDS Quarterly Update, Fourth Quarter 2015. Baltimore, MD: Center for HIV Surveillance, Epidemiology and Evaluation, Infectious Disease Epidemiology and Outbreak Response Bureau, Prevention and Health Promotion Administration, Maryland Department of Health and Mental Hygiene. January 2016.